Stanton Analytical Validation Charklist

Stantec Analytical Validation Che	cklist R	Report No. SDG	#ASY10		
Project Name: Amtrak Wilmington	Project Number: 213402048				
Stantec Validator: Patrick Vaughan/Steve Alberts	Laboratory: Eurofins/Lancaste	er Laboratory			
Date Validated: 07/11/2013	Laboratory Project Number: 13	386528			
Sample Start-End Date:04/29/2013	Laboratory Report Date: 5/29/	2013			
Parameters Validated: PCBs (8082) w/ mici	rowave soil extraction and mois	ture.			
Samples Validated: <u>SB-92 (4.0-6.0)</u> (composite soil); <u>SB-90 (0.0-2.0)</u> (composite soil); <u>SB-90 (0.0-2.0)</u> (composite soil); <u>SB-90 (0.0-2.0)</u> MSD (composite soil); <u>SB-DUP-3</u> (composite soil); <u>SB-90 (4.0-6.0)</u> (composite soil); <u>SB-62 (0.0-2.0)</u> (composite soil); <u>SB-62 (2.0-4.0)</u> (composite soil); and <u>SB-62 (4.0-6.0)</u> (composite soil).					
VALIDA	ATION CRITERIA CHECK				
Validation Flags Applicable to this Review: U The analyte was analyzed for, but r J The analyte was positively identified concentration of the analyte in the s UJ The analyte was not detected above reported quantitation limit is approxed quantitation necessary to accurately. NJ The analysis indicates the presence associated numerical value represed associated numerical value represed. B The analyte was detected in the method. R The sample results are rejected due to meet quality control criteria. The presence	d; the associated numerical values ample. The the reported sample quantitate imate and may or may not repress and precisely measure the ance of an analyte that has been "teents its approximate concentration, field, and/or trip blank. The serious deficiencies in the ability	ue is the approximate ion limit. However, esent the actual limit alyte in the sample. Entatively identified on.	the t of and the		
Were all the analyses requested for the submitted with each COC completed by	ne samples	Yes X	No		
Comments: None					
Did the laboratory identify any non-correlated to the analytical result?	nformances	Yes	No X		
Comments: None					
3. Were sample Chain-of-Custody forms	complete?	Yes X	No		
Comments: None					
Were samples received in good conditation appropriate temperature?	tion and at the	Yes X	No		
Comments: Sample receipt log indicates that sample time listed on sample containers did not match COC. <u>SB-81 (0.0-2.0)</u> time = 1418, <u>SB-81 (2.0-4.0)</u> time = 1430 and <u>SB-76 (4.0-6.0)</u> time = 1254. These samples were included in analytical report ASY06; refer to data verification form ASY06. No corrective action required.					
5. Were sample holding times met?		Yes X	No		
Comments: None					

6. Were correct concentration units reported?	Yes X	No
Comments: None		
7. Were detections found in laboratory blank samples?	Yes	No
Comments: Not applicable, no blanks analyzed as part of this report.		
8. Were detections found in field blank, equipment rinse blank, and/or trip blank samples?	Yes	No X
Comments:		
9. Were instrument calibrations within method criteria? NA	Yes X	No
Comments: Pesticide Residue Analysis: the initial or continuing calibration acceptance criteria on one column but within acceptance criteria on the swere reported only from the compliant column. No corrective action requicolumn was used.	second. The affect	ed analytes
10. Were surrogate recoveries within control limits?	Yes	No X
Comments: <u>Pesticide Residue Analysis</u> : PCB surrogate recoveries outsic composite soil). Recovery resulted from sample dilution and no corrective		SB-62 (0-2
11. Were laboratory control sample(s) (LCS/LCSD) sample recoveries within control limits?	Yes X	No
Comments: Lab did not report LCSD data.		
12. Were matrix spike (MS/MSD) recoveries within control NA limits?	Yes X	No
Comments:		
13. Were RPDs within control limits?	Yes X	No
Comments:		
14. Were dilutions required on any samples?	Yes X	No
14. Were dilutions required on any samples? Comments: Seven samples required dilution prior to analysis, with dilution 2000X. Sample reporting limits were adjusted accordingly. No data were	X on factors ranging f	
Comments: Seven samples required dilution prior to analysis, with dilutio	X on factors ranging f	
Comments: Seven samples required dilution prior to analysis, with dilution 2000X. Sample reporting limits were adjusted accordingly. No data were	X on factors ranging t e qualified.	From 5X to
Comments: Seven samples required dilution prior to analysis, with dilution 2000X. Sample reporting limits were adjusted accordingly. No data were the Tentatively Identified Compounds (TIC) present?	X on factors ranging to re qualified. Yes	From 5X to
Comments: Seven samples required dilution prior to analysis, with dilution 2000X. Sample reporting limits were adjusted accordingly. No data were 15. Were Tentatively Identified Compounds (TIC) present? Comments:	x on factors ranging for equalified. Yes	From 5X to No X

Comments:					
18. Were inorganic sys	tem performance criteria met?	N/A	\	Yes	No
		X			
Comments:					
19. Were blind field duplicates collected? If so, discuss the precision (RPD) of the results.				Yes	No X
Duplicate Sample ID	Primary Sam	ple No.			
SB-Dup-3	SB-90(0.0-2.	.0)			
) was detected in both samples 6). All other Aroclors were non			within projec	t
20. Were at least 10 pe the Electronic Data Deliv	ercent of the hard copy results overable Results?	compared to	Yes X	No	Initials KEF
Comments:					
21. Other?				Yes	No X
Comments:					
PRECISION, ACC	URACY, METHOD COMPLIAN	NCE AND COMP	PLETENES	S ASSESSM	IENT
Precision:	Acceptable X	Unaccept	able	Initials	
Comments: Based on lal	poratory spike data for LCS.				
Sensitivity:	Acceptable X	Unaccept	able	Initials	
Comments:					
Accuracy:	Acceptable X	Unaccept	able	Initials	
Comments: Based on lal	poratory spike data for LCS.			1	
Representativeness:	Acceptable X	Unaccept	able	Initials	
Comments:				-	
Method Compliance:	Acceptable X	Unaccept	able	Initials	
Comments:	<u> </u>				
Completeness:	Acceptable X	Unaccept	able	Initials	
Comments:					